For the convenience of the Examiner, all claims of the present Application are shown whether or not an amendment has been made. Please refer to any attached sheets showing a marked up version of any amendments to the claims.

IN THE CLAIMS

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1. (Amended) A system for communication between object request brokers (ORB), comprising:

a non-CORBA object request broker executing on a first system and providing inter-object communication support between the first system and a second system, the first system connected to the second system by a network, the non-CORBA object request broker operable to generate a class with a type code and a communication protocol without generating a stub or a skeleton associated with Common Object Request Broker Architecture (CORBA) object request brokers; and

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a reference object in the non-CORBA object request broker operable to encode outgoing communications into an Internet Inter-ORB Protocol (IIOP) format according to the communication protocol in the generated class, the reference object further operable to decode incoming communications from the Internet Inter-ORB Protocol (IIOP) format into a format native to the non-CORBA object request broker.

2. The system of Claim 1, further comprising a CORBA object request broker executing on the second system.

3. (Amended) The system of Claim 1, further comprising one or more streamers coupled to the reference object, the one or more streamers corresponding in number to methods of a target object, the one or more streamers serially sending bytes of outgoing communications to the second system.

4. The system of Claim 1, further comprising a client application on the first system.

5. The system of Claim 1, further comprising a target object on the second system.

6. (Previously Amended) The system of Claim 1, wherein the class is generated from Interface Description Language (IDL) definitions.

7. (Previously Amended) The system of Claim 6, wherein the non-CORBA object request broker provides an ORB-specific implementation of the IDL class having information to communicate with other ORBs.

8. The system of Claim 1, wherein a remote proxy sends the outgoing communication to the reference object.

9. The system of Claim 8, wherein the remote proxy receives the outgoing communication from an application on the first system.

10. The system of Claim 1, wherein the reference object receives incoming communications from the second system.

11. (Previously Amended) The system of Claim 1, wherein the type code identifies a structure corresponding to an Interface Description Language (IDL) definition and provides communication support between CORBA and non-CORBA ORBs.

12. (Twice Amended) A method for communication between object request brokers (ORB), comprising:

invoking a method of a target object on a first system by an application on a second system;

generating a class with a type code and a communication protocol without generating a stub or a skeleton associated with Common Object Request Broker Architecture (CORBA) compliant object request brokers;

forwarding the method invocation to a reference object associated with the communication protocol in a second object request broker executing on the second system;

encoding the method invocation into Internet Inter-ORB Protocol (IIOP) format;

sending the encoded method invocation to a first object request broker executing on the first system; and

invoking the method on the target object.

13. The method of Claim 12, wherein sending the encoded method invocation includes:

forwarding the encoded method invocation to one of one or more streamer objects corresponding to a method invoked by the encoded method invocation; and

serially streaming bytes of the encoded method invocation to the first object request broker.

14. The method of Claim 12, further comprising:

forwarding a result of the method invocation to the first object request broker;

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transmitting the result to the second object request broker executing on the second system;

receiving the result encoded in Internet Inter-ORB Protocol (IIOP) format in the reference object;

decoding the result into a format native to the second object request broker; and

forwarding the result to the application.